

## Amendments to the Specification

Page 7, lines 4-6, replace the paragraph with the following amended paragraph:

The scintillator 42 may be made of a material selected from NaI:Tl, CsI:Na, ~~LuSiO<sub>5</sub>:Ce(LSO)~~ LuSiO<sub>5</sub>:Ce(LSO), ~~(Lu<sub>1-x</sub>Gd<sub>x</sub>)SiO<sub>5</sub>:Ce(LGSO)~~ (Lu<sub>1-x</sub>Gd<sub>x</sub>)SiO<sub>5</sub>:Ce(LGSO), ~~YAlO<sub>3</sub>~~ YAlO<sub>3</sub>, etc.